SkillRack

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🏆 **LeaderBoard & Prev Day Solution**

DAILY CHALLENGE   **ProgramID- 6425**   ☑ **SkillRack**

Odd and Even Integers

The program must accept three integers **X**, **Y** and **Z** as the input. The program must print the output based on the following conditions.
- If X is less than Y, then print all the odd integers from X to Y (inclusive). Else print all the even integers from Y to X (inclusive).
- If Y is less than Z, then print all the odd integers from Y to Z (inclusive). Else print all the even integers from Z to Y (inclusive).

Boundary Condition(s):
2 <= X, Y, Z <= 999

Input Format:
The first line contains the values of X, Y and Z each separated by a space.

Output Format:
The first line contains the odd and even integers separated by space(s).

Example Input/Output 1:
Input:
20 25 10

Output:
21 23 25 10 12 14 16 18 20 22 24

Explanation:
For the first and the second integer 20 < 25. Hence all the odd integers from 20 to 25

(21 23 25) are printed as the output.
Then for the second and the third integer 25 > 10. Hence all the even integers from
10 to 25 (10 12 14 16 18 20 22 24) are printed as the output.

Example Input/Output 2:
Input:
10 15 20

Output:
11 13 15 15 17 19

Max Execution Time Limit: 5000 millisecs

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```java
1 ▾  import java.util.*;
2 ▾  public class Hello {
3
4 ▾      public static void main(String[] args) {
5            //Your Code Here
6            Scanner sc=new Scanner(System.in);
7            int x=sc.nextInt();
8            int y=sc.nextInt();
9            int z=sc.nextInt();
10           int a=x<y?x:y;
11           int b=a==x?y:x;
12           int f=(x<y)?0:1;
13 ▾         for(int i=a;i<=b;i++){
14 ▾             if(f==0 && i%2!=0){
15                 System.out.print(i+" ");
16                 }
17 ▾             else if(f==1 && i%2==0){
18                     System.out.print(i+" ");
19                 }
20
21           }
22           a=y<z?y:z;
23           b=a==y?z:y;
24           f=y<z?0:1;
25 ▾         for(int i=a;i<=b;i++){
26                 if(f==0 && i%2!=0)
27                 System.out.print(i+" ");
28                 else if(f==1 && i%2==0)
29                 System.out.print(i+" ");
30             }
31
```

```
32          }
33   }
```

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Save   Run

☐ Run with a custom test case (Input/Output)